



55-2

[REDACTED]

FUND

B

AMOUNT RECEIVED FOR GRANT

\$2,750.00

EXPENSES

Salary - Dr. [REDACTED]	1,200.00
Consultation - Dr. [REDACTED]	100.00
Telephone and Secretarial Service	41.33
Travel-Dr. [REDACTED] & Dr. [REDACTED]	118.30
Constant Temperature Water Bath	232.50
Chemicals	143.46
Anderson Glass Capsule Manometer	65.50
Magnetic Stirring Apparatus	37.50
Kodak Timer, Hot Plate	29.50
Screw Stand	97.72
Respiration Pump	267.11
Thermometer & Time Marker triple	102.47
Animals and Supplies	<u>306.16</u>

2,741.55

Unexpended Balance in Fund

\$ 8.45

[REDACTED]

Auditor

I have examined and approved the submitted expenditures.

[REDACTED SIGNATURE]

SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

Date:

JUL 23 1957

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RECEIPT

I hereby acknowledge receipt of the following check:

Treasurer's Check No. 142433, dated April 4, 1956, in  
the amount of \$103.00, drawn on the [REDACTED] E  
[REDACTED], payable to the [REDACTED] B

[REDACTED] C

Date 10 apr 56

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RECEIPT

I hereby acknowledge receipt of the following check:

Treasurer's Check No. 202958, dated April 4, 1956, in the amount  
of \$2,700.00, drawn on the [REDACTED]  
payable to the [REDACTED]

E

B

[REDACTED]

C

Date 10 Apr 56

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21 March 1956

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA: TSS/Budget Officer

SUBJECT: ISUVERA Subproject 55, Invoice 1  
Allotment 6-2502-10-001

1. Invoice 1 for the above subproject is attached. Payment should be made as follows:

Cashier's check in the amount of \$2700.00 drawn on an [redacted] bank.

E

Cashier's check in the amount of \$103.00 drawn on a [redacted] bank.

Both checks should be made payable to the [redacted] B

2. The above checks should be forwarded to Chief, TSS/Chemical Division, through TSS/Budget Officer, no later than 3 April 1956.

3. This is a final invoice. A total of \$2803.00 was obligated under this subproject during FY 56. However, since it is anticipated that additional funds will be obligated for this project, the files should not be closed.

SIDNEY GOTTLIEB  
Chief

[redacted] Division

Attachments:  
Orig & 2 - Addressee  
1 - Comptroller

I CERTIFY THAT FUNDS ARE AVAILABLE  
ORGANIZATION CODE NO. 1570  
CHECK NO. AND DATE NO. 6-2502-10-001

AUTHORIZING OFFICER

CHECK # 202750 IN THE AMOUNT OF \$2,700.00  
RECEIVED 5 APR 1956

[redacted] A

CHECK # 1121 IN THE AMOUNT OF \$103.00  
RECEIVED 5 APR 1956

[redacted] A

R9

55-5

INVOICE

For Services

\$2803.00

[REDACTED]

CERTIFICATIONS

(1) It is hereby certified that this is Invoice 1 applying to MEXUMERA Subproject 55, that performance is satisfactory, that the services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSC/CO, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSC/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to MEXUMERA Subproject 55, which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953, from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:

[REDACTED]

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21 February 1956

MEMORANDUM FOR: CONTROLLER  
ASSIGNMENT : Finance division  
SUBJECT : HELMIA, Subproject 55

Under the authority granted in the Memorandum dated 13 April 1955 from the DCI to the DD/S, and the extension of this authority in subsequent memoranda, Subproject 55 has been approved, and \$2303.00 of the over-all Project HELMIA funds has been obligated to cover the subproject's expenses and should be charged to Allotment 6-2562-10-001.

HENRY GOTTLIEB  
Chief  
TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

I CERTIFY THAT FUNDS ARE AVAILABLE  
OBLIGATION REFERENCE NO. 1570  
CHARGE TO ALLIANCE NO. 6-2562-10-001

Research Director

Date: 21 FEB 1956

Distribution:

- Orig & 2 Addressee
- 1 TSS/OC
- 1 TSS/TASB
- 1 TSS/SRB
- 2 TSS/CD

TSS/CD (21 February 1956)

ADMINISTRATIVE STAFF

Downgraded to: [REDACTED]  
by authority of: 187475  
date: June 1977

EE IMPDET; CL BY 187475

DRAFT/ [REDACTED] A

21 February 1956

MEMORANDUM FOR: THE RECORD

SUBJECT : Project EKULTRA, Subproject 55

1. Subproject 55 is being initiated to enable Dr. [REDACTED] C  
[REDACTED] to undertake pharmacological studies of interest to TSS/CD.  
Dr. [REDACTED] is located at [REDACTED] B  
Department of [REDACTED] B

2. The scope of the project will embrace the relationship  
between chemical structure and biological activity of various iso-  
quinoline derivatives and heterocyclic compounds containing two or  
more ring systems. B

3. The [REDACTED] School and Dr. [REDACTED] C  
are completely unwitting  
of Agency interest in this proposed program. Therefore, in order to  
maintain cover,

(a) the requirement for a Memorandum of Agreement with the  
principle investigator will be waived, C

(b) the [REDACTED] B  
will request Dr. [REDACTED] to obtain an  
accounting from the University upon completion of the pro-  
gram year.

4. The cost of this program for a period of one year is esti-  
mated to be \$2,700.00. To this sum must be added \$108.00 represent-  
ing a four percent service charge by the [REDACTED] therefore  
the total cost will not exceed \$2808.00. Charges should be made  
against Allotment 6-2502-10-001. B

5. Title to any permanent equipment purchased by funds granted  
the University shall be retained by the University in lieu of higher  
overhead rates.

Downgraded to: [REDACTED]  
by authority of: 187475  
date: Jan 1977

EE IMPDET; CL BY 187475



Downgraded to: [redacted]  
by authority of: 187475  
date: June 1977

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EE IMPDET; CL BY 187475

6. Documentation and accounting for travel expenses which are reimbursable by the University shall conform with the accepted practices of that institution.

[redacted]  
TSS/Chemical Division

A

APPROVED:

[redacted]

A

*for* SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

APPROVED:

[redacted]

Research Director *23 February 1956* A

Distribution:  
Original Only - TSS/CD

TSS/CD [redacted] (21 February 1956)

Downgraded to: [redacted]  
by authority of: 187475  
date: June 1977

EE IMPDET; CL BY 187475

[redacted]

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[REDACTED]

B

DEPARTMENT

[REDACTED]

B

January 26, 1956

[REDACTED]

B

Gentlemen:

The undersigned would like to apply for a yearly grant beginning February 1, 1956, for \$2,750.00 for a research project to be carried out in the Department of [REDACTED]

B

The purpose of the study is to discover the pharmacological effects of certain groups of compounds prepared by Dr. [REDACTED] and associates of the Department of [REDACTED]. In other words, we want to take a further step into the most basic aspects of pharmacology--biochemorphology, or the relation of chemical structure and physical properties of new chemical compounds to biological activity. We propose to test the following compounds:

C

- a. Various synthetic isoquinoline derivatives.
- b. Heterocyclic compounds containing two or more ring systems.

It is highly desirable to accumulate pertinent data on all these types of new compounds for the treatment of disease as well as for the advancement of science itself.

These compounds will be tested on the:

- a. Central nervous system.
- b. Autonomic nervous system.
- c. Sensory nerves.
- d. Sensory nerve ends.
- e. Somatic motor neurones.

This classification, of course, includes drugs such as those producing hallucinations, tranquilization, sedation, anesthesia, adrenergic and cholinergic effects, and general and local analgesia. In addition, the compounds will be tested as to their effect on the smooth muscle itself and on possible antagonism to histamine.

[REDACTED]

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I propose that the following budget be provided for the project:

- \$ 275 - Overhead for the University
- 1,700 - Salaries
- 250 - Travel and administration
- 525 - Animals, chemicals, and miscellaneous equipment
- \$2,750 - TOTAL

May I add that this grant will be a further step in the cooperation between the Departments of [redacted] and [redacted] at the [redacted] B,

Doctors [redacted] and [redacted] will be periodically informed as to the results.

Respectfully submitted,

[redacted signature block] Professor of C

[redacted] C

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INVOICE CREDIT STATE

INSIRA Subproject 55

Date of Original Authorization	Period Covered	Site Ex-posed to	Allotment Number	Amount of Obligation
23 Feb 56	1 year		6-2502-10-001	2808.00

Additional Authorizations	Period Covered	Site Ex-posed to	Allotment Number	Amount of Obligation

Invoice No.	Date	Amount	Balance
1	3/21/56	2808.00	0

REMARKS: